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ENZYME REGULATION

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PROFESSOR GEORGE WEBER

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FOREWORD

THIS COMPREHENSIVE INDEX for the first ten volumes of *Advances in Enzyme Regulation* was designed to provide a detailed crossindexing of the authors and all key subject information encompassed in the ten books. The Index also provides a summary of the contents of the ten volumes which helped in shaping and transforming our concepts and views of mammalian metabolic regulation in normal and neoplastic tissues.

The participants of these Symposia came from many countries of the globe and from the states and provinces of the United States and Canada. In these closed Conferences, each limited to thirty or thirty-five specially selected scientists, I attempted to integrate the most exciting, the most relevant and the newest results and insights into the mechanisms of regulation of enzyme activity and turnover in animals and in man. I also included from time to time workers who explored regulation in unicellular systems to provide a contrast to our central interest, the understanding of regulation in mammalian systems.

Many scientific friendships, collaborations, laboratory visits and new lines of investigation have sprung from the happy scientific atmosphere and informal personal contacts generated in these Conferences. These Symposia exerted an impact on problem solving in the fields of biochemistry, enzymology, metabolic regulation, chemotherapy of neoplastic and microbial diseases, diabetes, carcinogenesis, pharmacology, pathology and inborn errors of metabolism.

To make the Conference volumes of *Advances in Enzyme Regulation* the most helpful to the readers, much effort was expended to produce detailed, useful indexing of authors and key subjects. This extensive Author and Subject Index covering the first ten volumes of this Conference series should provide an indispensable addition to the volumes of *Advances in Enzyme Regulation.*

I hope that the participants and the readers of *Advances in Enzyme Regulation* will find this Index volume a most helpful companion to the individual volumes.

Indiana University School of Medicine, 1975

GEORGE WEBER, M.D., *Editor*

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Advances in
ENZYME REGULATION

Volume 1

Proceedings of a symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Liver held at Indiana University School of Medicine, Indianapolis, Indiana October 1 and 2, 1962

Edited by
GEORGE WEBER

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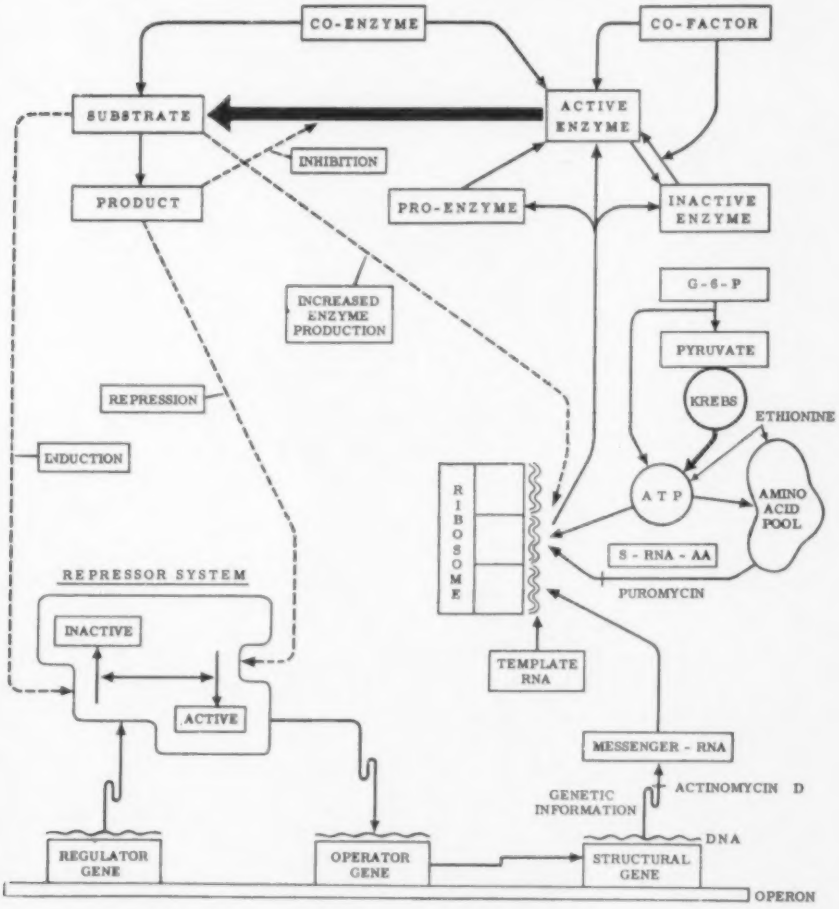

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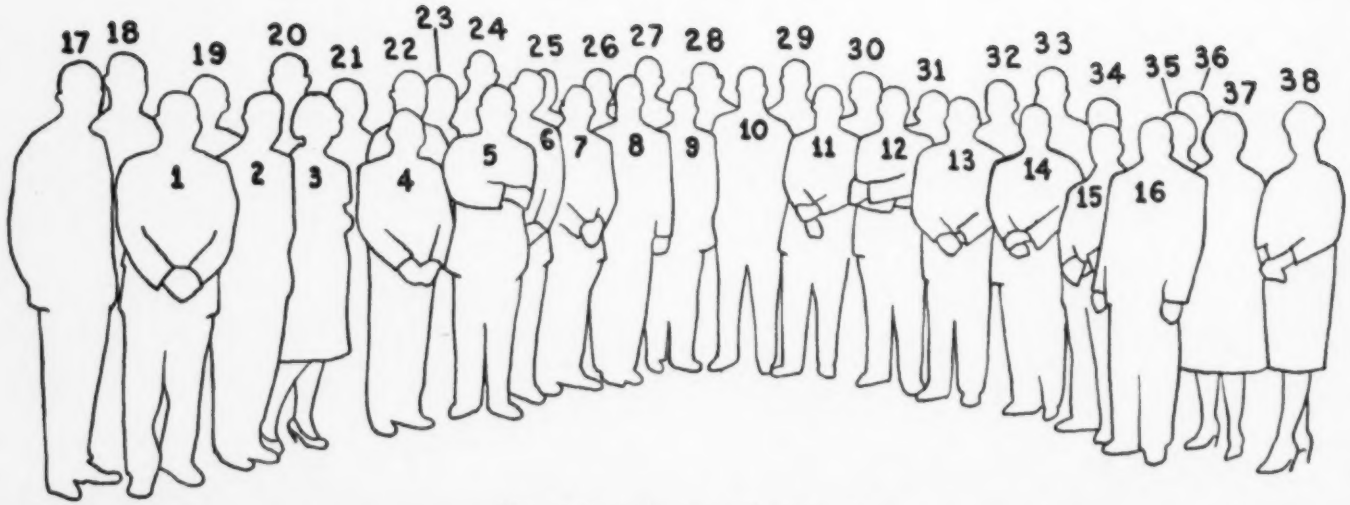

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GEORGE WEBER

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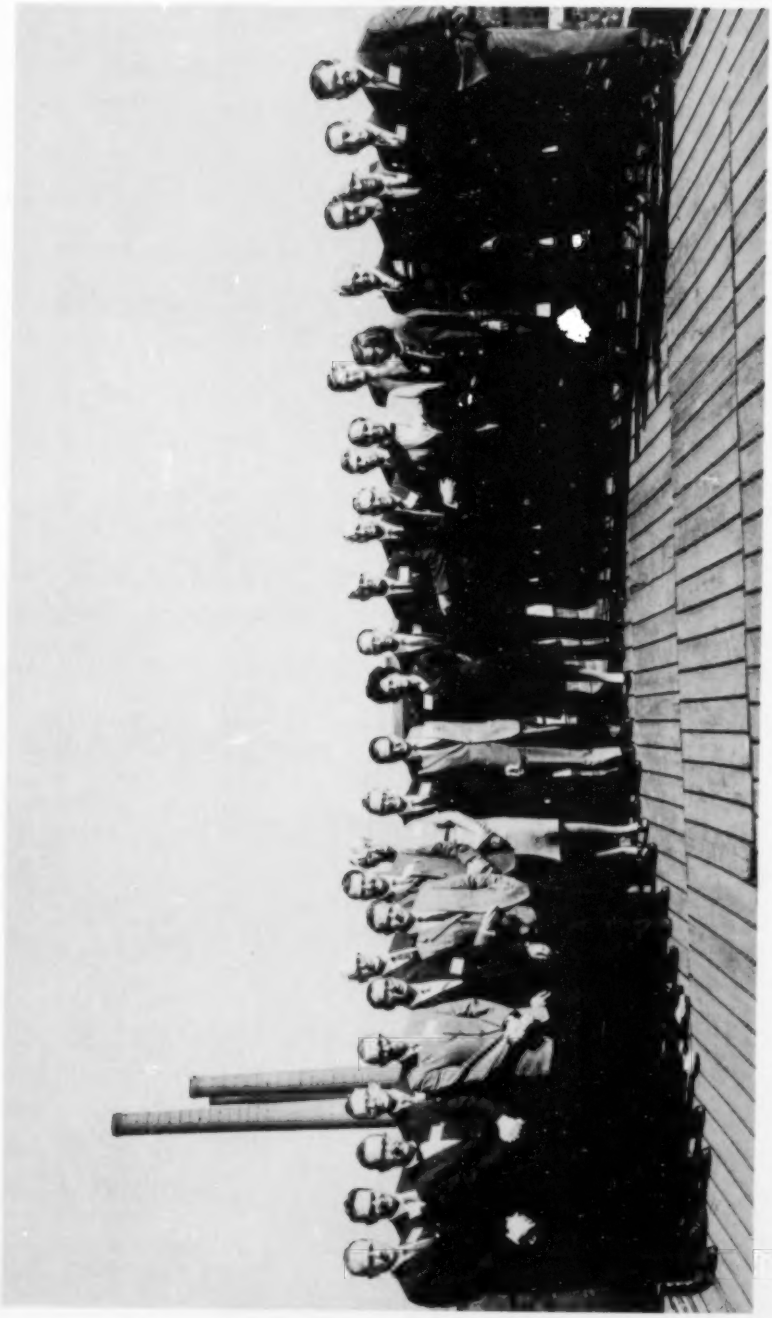

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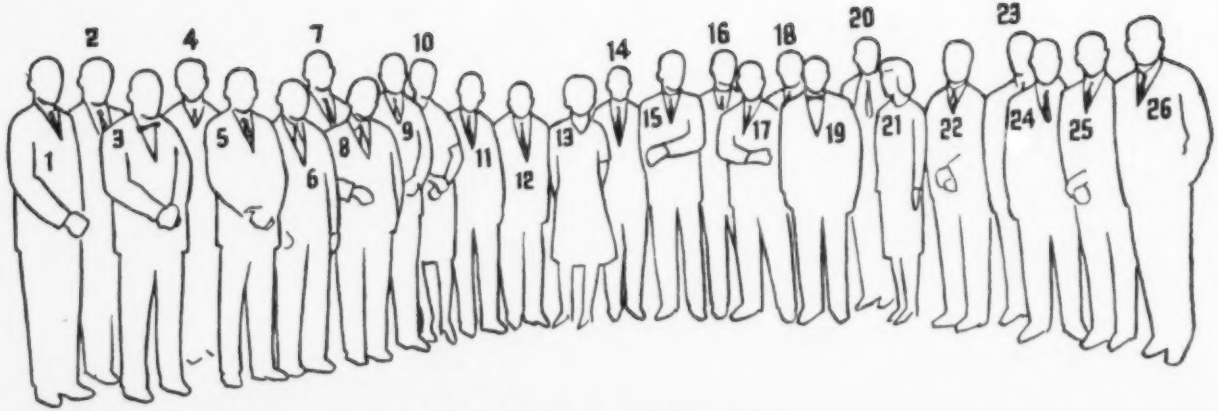

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Volume 3

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Edited by
GEORGE WEBER

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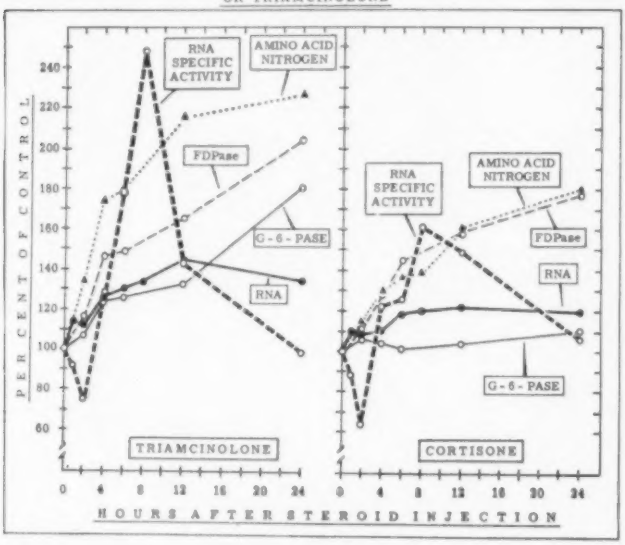

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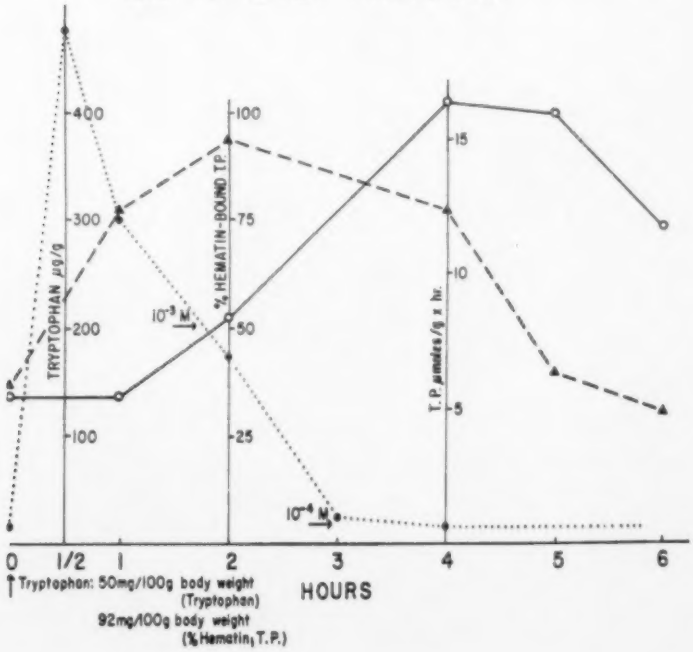

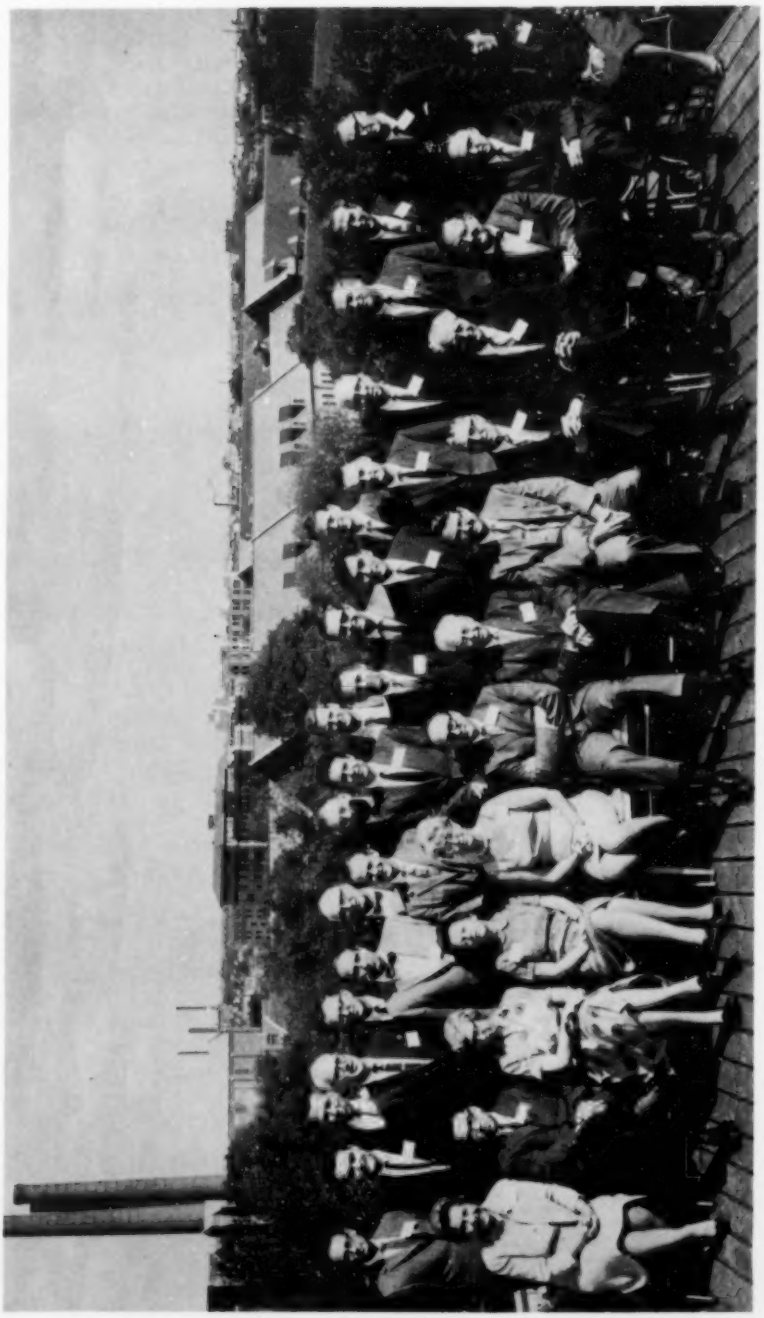

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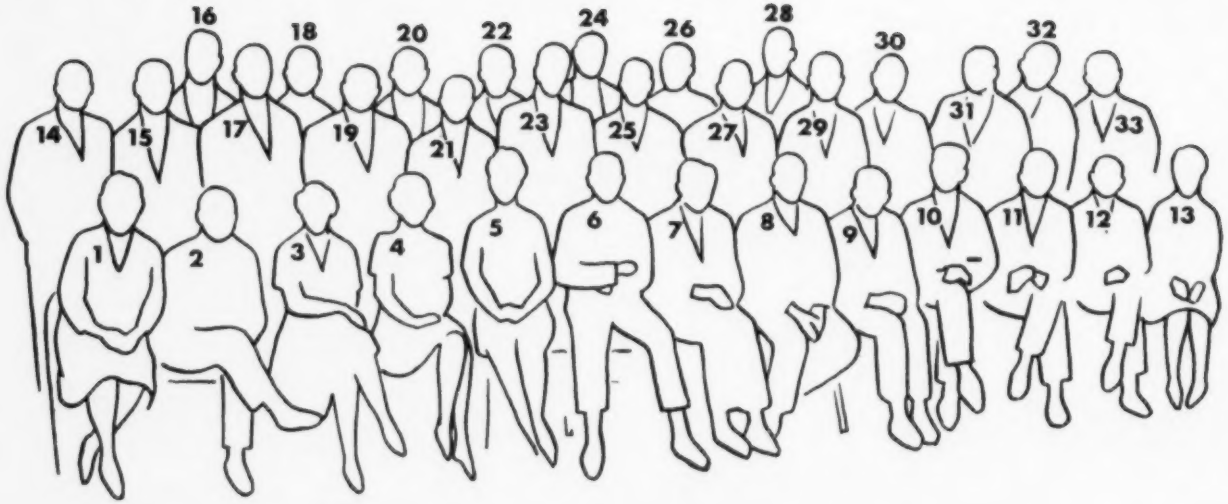

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1, Helen B. Burch; 2, Emmanuel Farber; 3, Florence Moog; 4, Olga Greengard; 5, Catherine E. Forrest Weber; 6, Henry A. Lardy; 7, A. Baird Hastings; 8, Van R. Potter; 9, Sidney Weinhouse; 10, Carl F. Cori; 11, Claude A. Villee; 12, Harold P. Morris; 13, Muriel Feigelson; 14, Robert C. Haynes, Jr.; 15, Francis T. Kenney; 16, Halvor N. Christensen; 17, Charles A. Nichol; 18, Henry C. Pitot; 19, George Weber; 20, Robert L. McGeachin; 21, W. Eugene Knox; 22, Edward Reich; 23, Brian C. Goodwin; 24, George F. Cahill, Jr.; 25, Albert B. Eisenstein; 26, James Ashmore; 27, Shosaku Numa; 28, Tore Hultin; 29, Deryck G. Walker; 30, Jay S. Roth; 31, Harold L. Segal; 32, George E. Boxer; 33, Ernst Helmreich.

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Advances in
ENZYME REGULATION

Volume 4

Proceedings of the fourth symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues held at Indiana University School of Medicine, Indianapolis, Indiana October 4 and 5, 1965

Edited by
GEORGE WEBER

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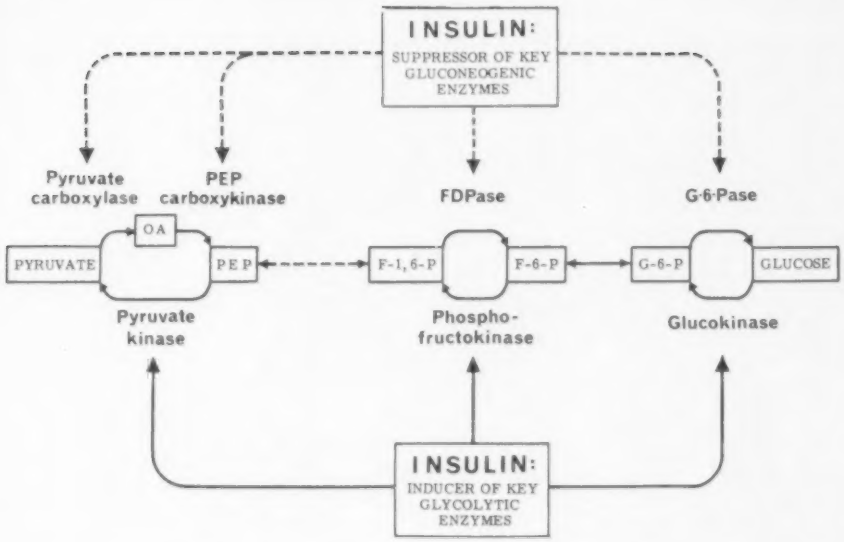
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PEP carboxykinase
FDPase
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PEP
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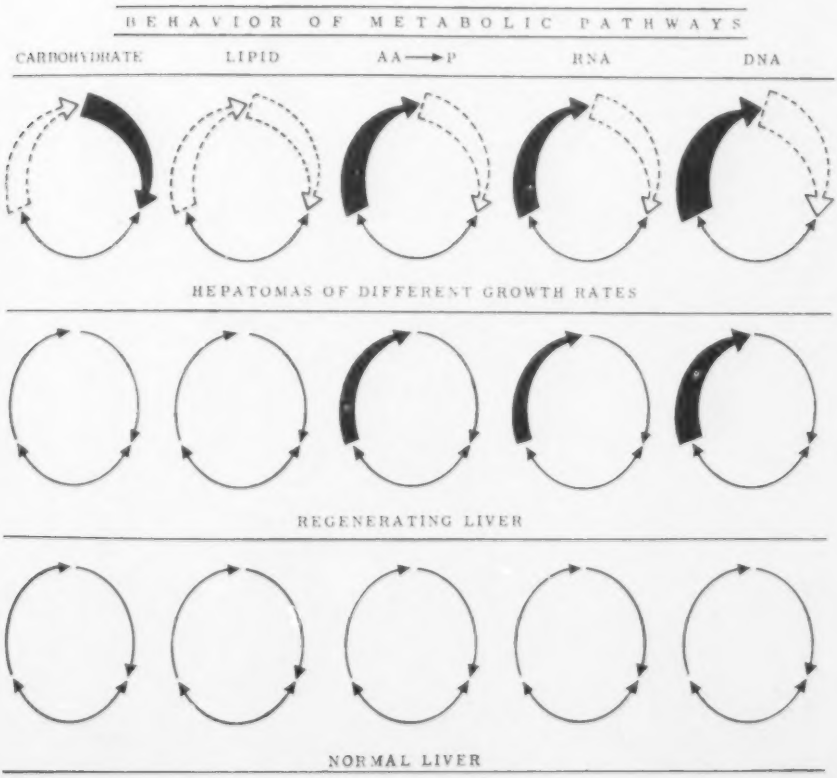
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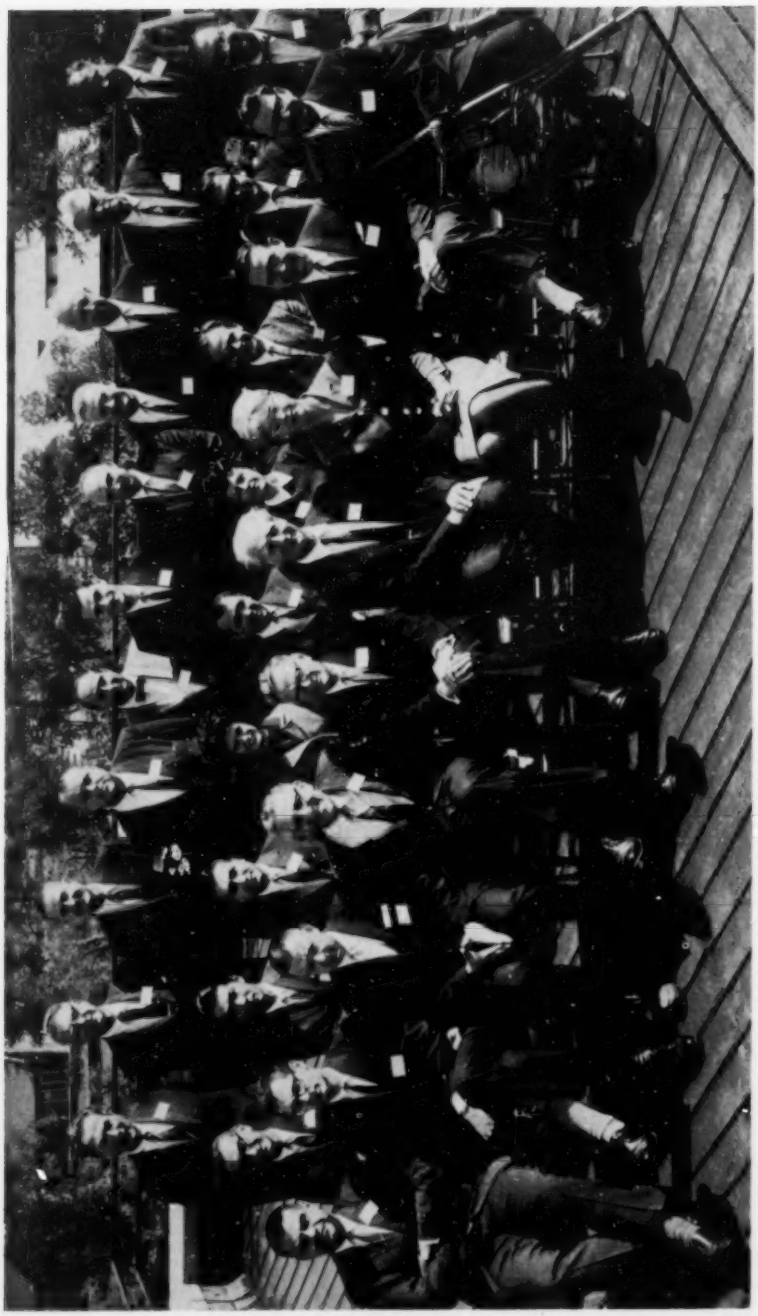

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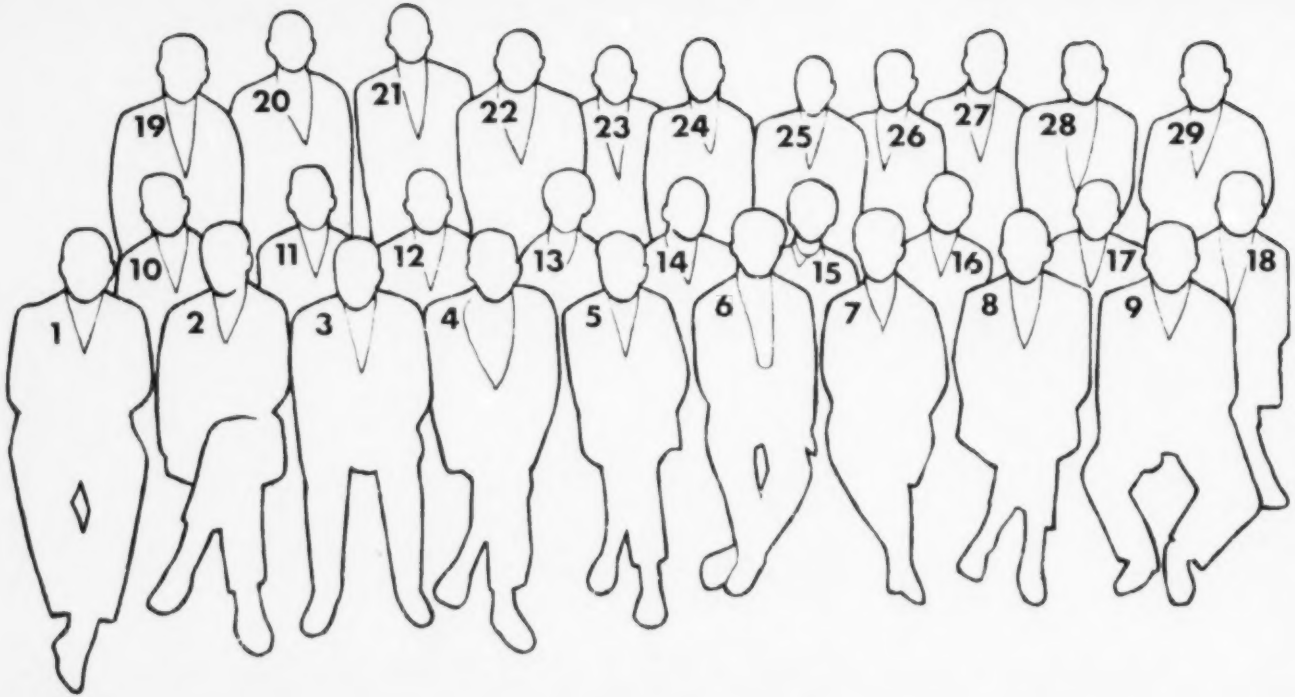

KEY TO PHOTOGRAPH OF PARTICIPANTS

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Advances in
ENZYME REGULATION

Volume 5

Proceedings of the fifth symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues held at Indiana University School of Medicine, Indianapolis, Indiana October 3 and 4, 1966

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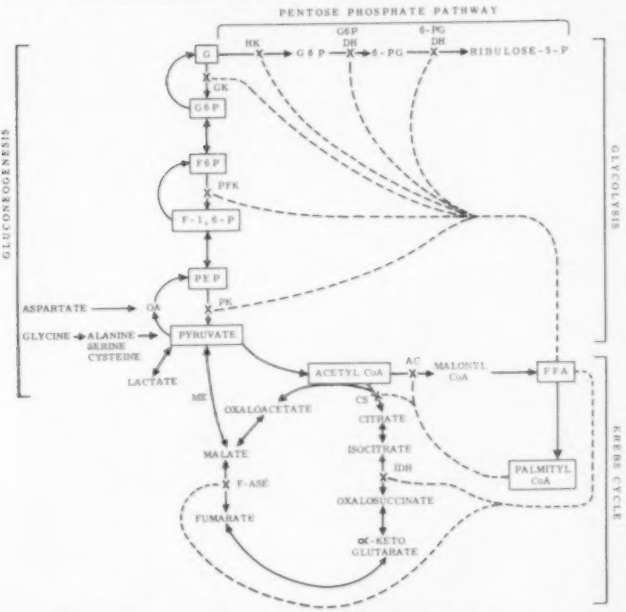
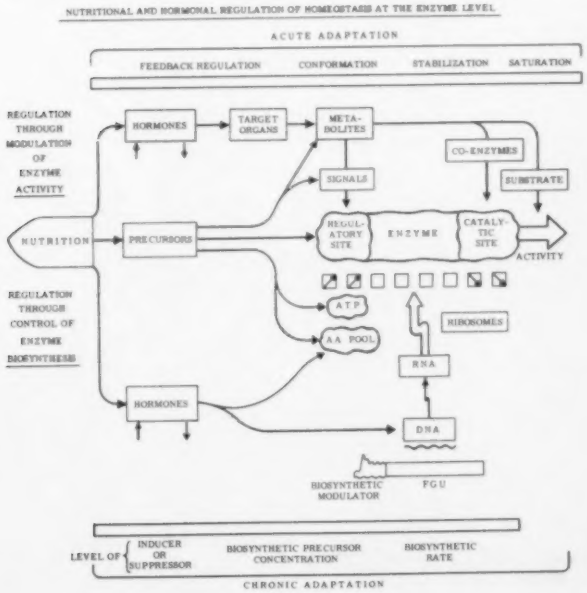


GK = GLUCOKINASE, PFK = PHOSPHOFRUCTOKINASE, PK = PYRUVATE KINASE, HK = HEXOKINASE,
G6P DH = GLUCOSE-6-PHOSPHATE DEHYDROGENASE, 6-PG DH = 6-PHOSPHOGLUCONATE DEHYDROGENASE
IDH = ISOCITRATE DEHYDROGENASE, F - ASE = FUMARASE, ME = MALIC ENZYME,
AC = ACETYL CoA CARBOXYLASE, CS = CITRATE SYNTHASE

NUTRITIONAL AND HORMONAL REGULATION OF HOMEOSTASIS AT THE ENZYME LEVEL



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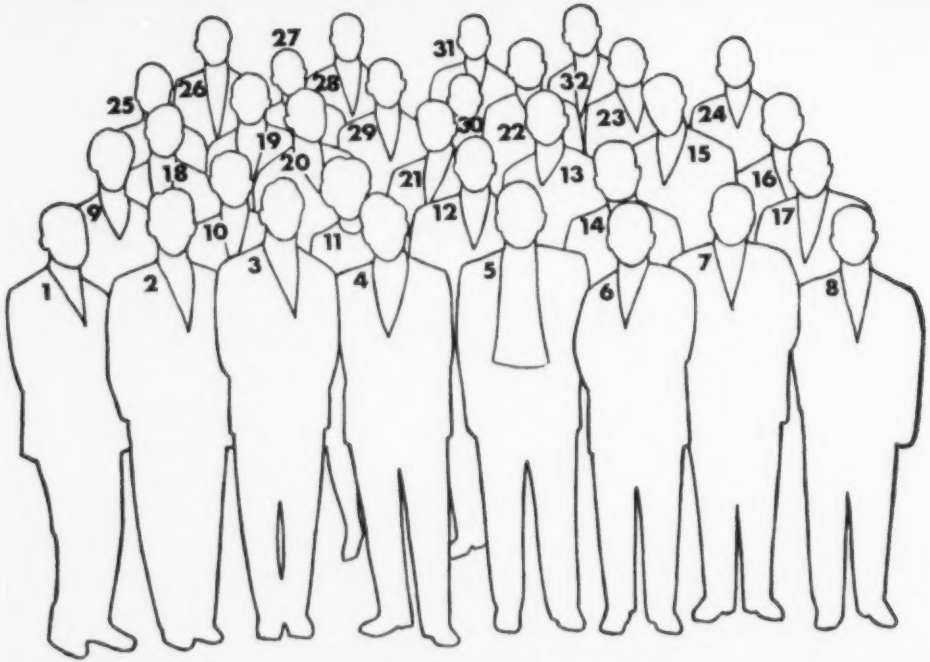

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(Absent at time photograph was taken: Otto K. Behrens, Francois Chapeville, Carl F. Cori, Norman Kretchmer, Douglas S. Riggs).

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Advances in
ENZYME REGULATION

Volume 6

Proceedings of the sixth symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues held at Indiana University School of Medicine, Indianapolis, Indiana October 2 and 3, 1967

Edited by
GEORGE WEBER

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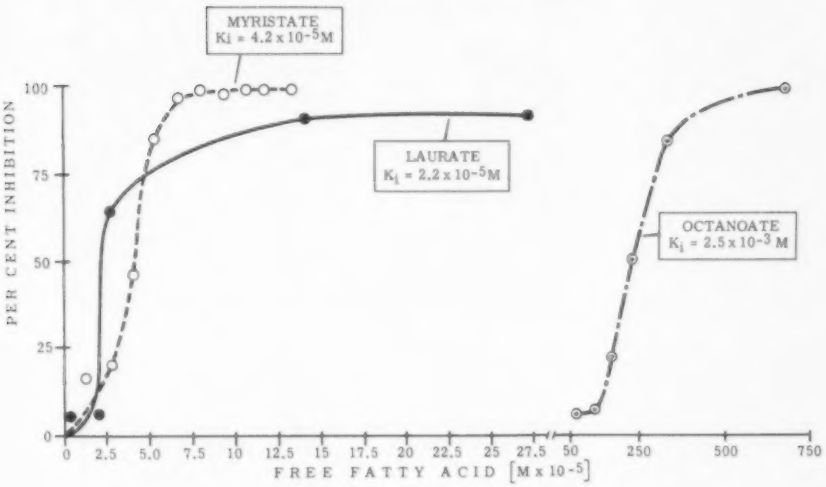

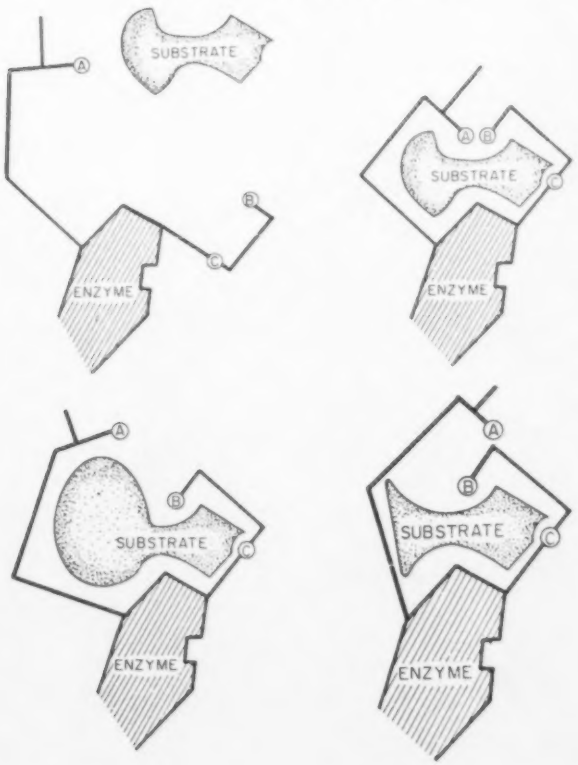

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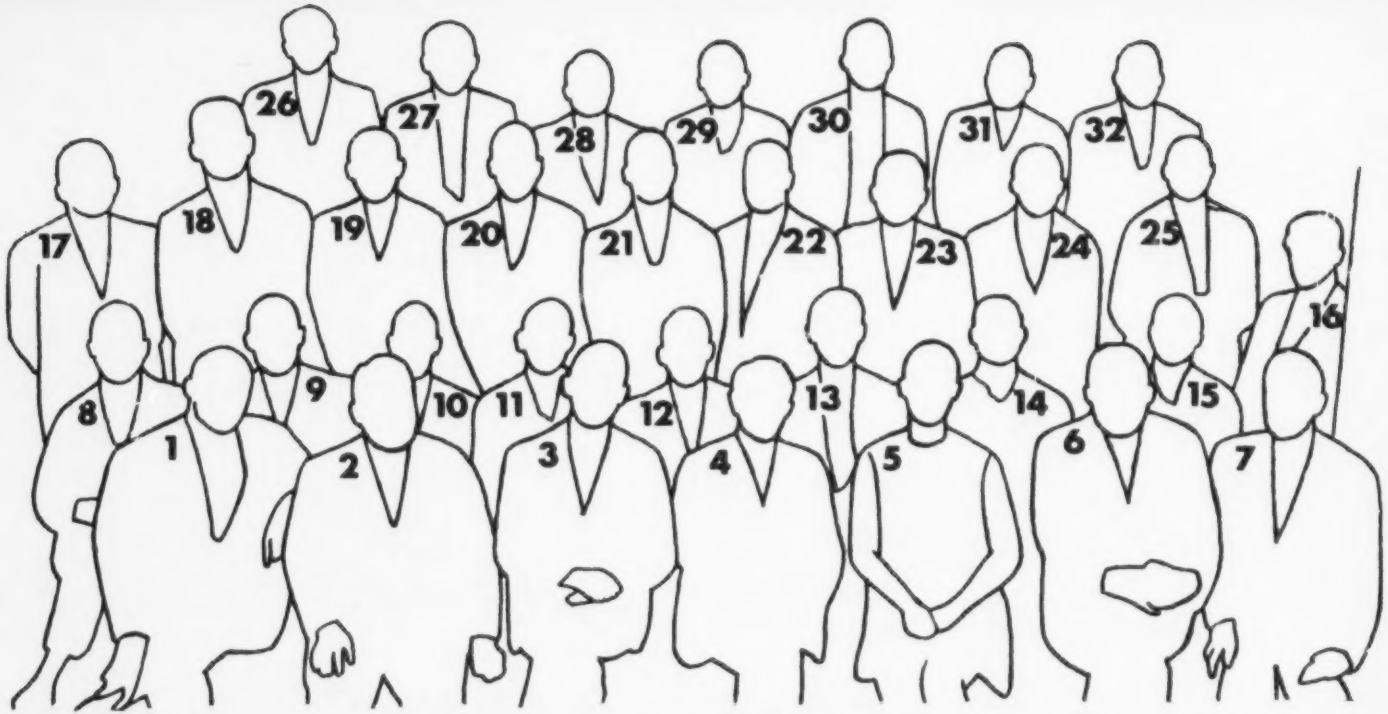

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Advances in
ENZYME REGULATION

Volume 7

Proceedings of the seventh symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues held at Indiana University School of Medicine, Indianapolis, Indiana September 30 and October 1, 1968

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GEORGE WEBER

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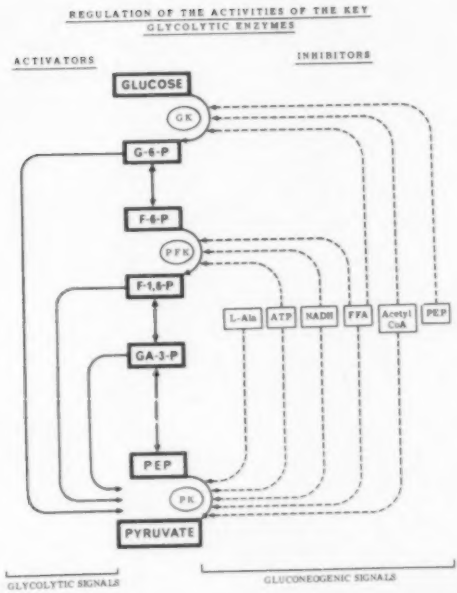

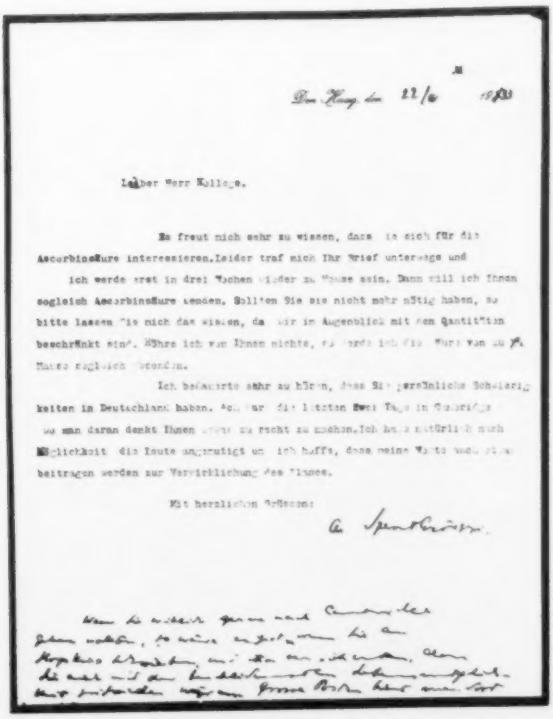

Lieber Herr Kollege,

Es freut mich sehr zu wissen, dass sie sich für die Ascorbinsäure interessieren. Leider traf mich Ihr Brief unterwegs und ich werde erst in drei Wochen wieder zu Hause sein. Dann will ich Ihnen sogleich Ascorbinsäure senden. Sollten Sie sie nicht mehr nötig haben, so bitte lassen Sie mich das wissen, da wir im Augenblick mit dem Quantum beschränkt sind. Wähne ich von Ihnen nichts, so werde ich die Sache von da ab Ihnen täglich besorgen.

Ich bedauerte sehr zu hören, dass Sie persönliche Schwierigkeiten in Deutschland haben. Ich war die letzten zwei Tage in Cambridge wo man daran denkt Ihnen etwas zu recht zu machen. Ich habe natürlich mich möglichst die Sache angelegt und ich hoffe, dass meine Worte auch etwas beitragen werden zur Verwirklichung des Planes.

Mit herzlichen Grüssen:

A. Szent-Györgyi

Wenn du wieder gesund und Cambridge dann wohlen, so wäre es schön wenn du am Hopkins Krankenhaus mit ihm arbeiten könnte. Aber du musst mit dem Arzt sprechen, ob das möglich ist. Ich denke, wenn du gesund bist, dann wirst du sehr

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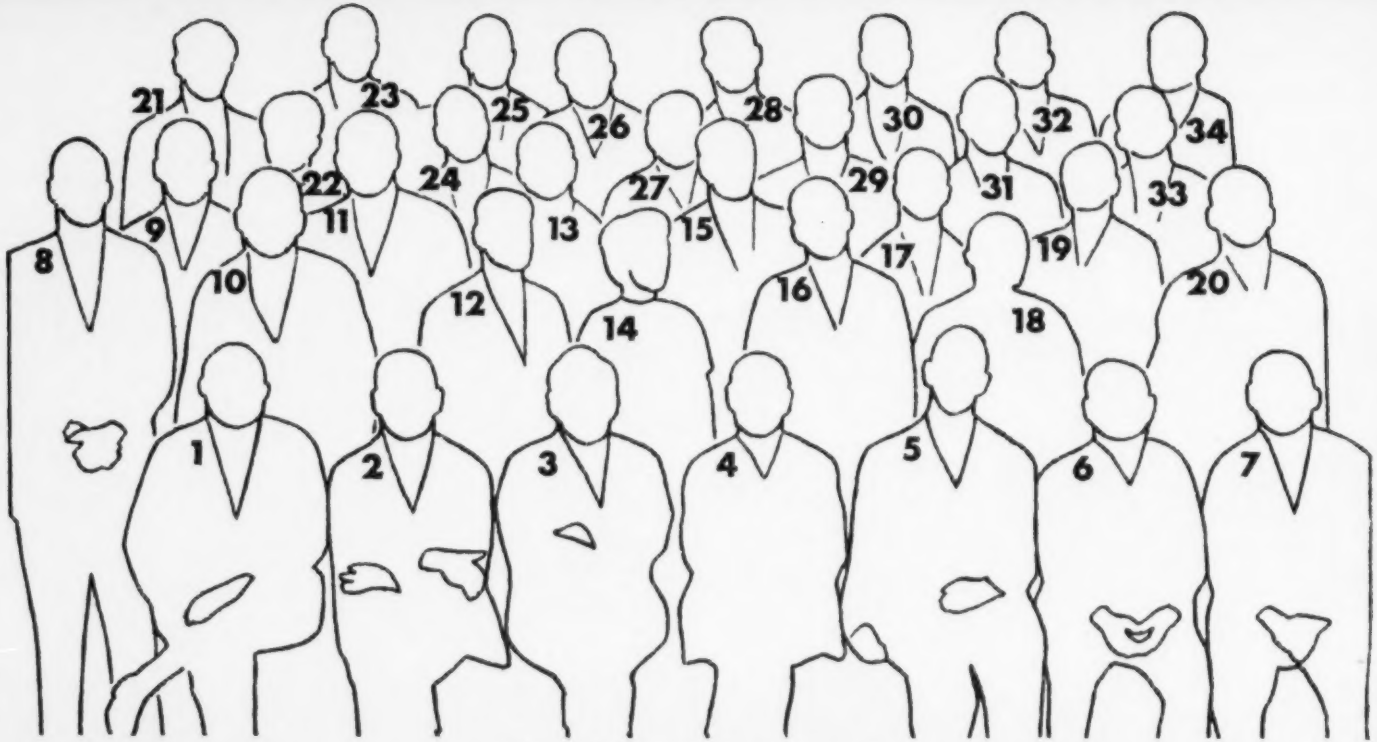

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Advances in
ENZYME REGULATION

Volume 8

Proceedings of the eighth symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues held at Indiana University School of Medicine, Indianapolis, Indiana September 29 and 30, 1969

Edited by
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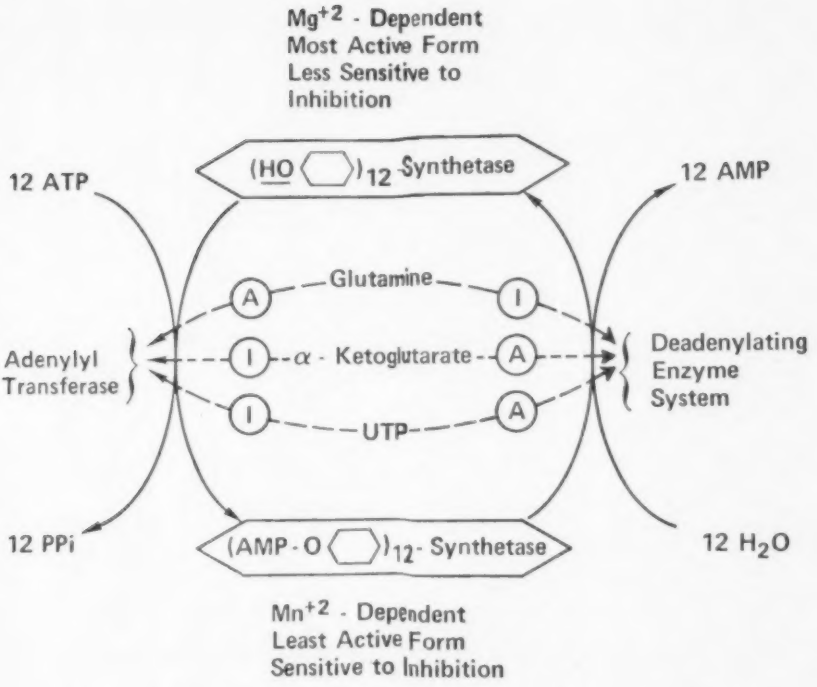

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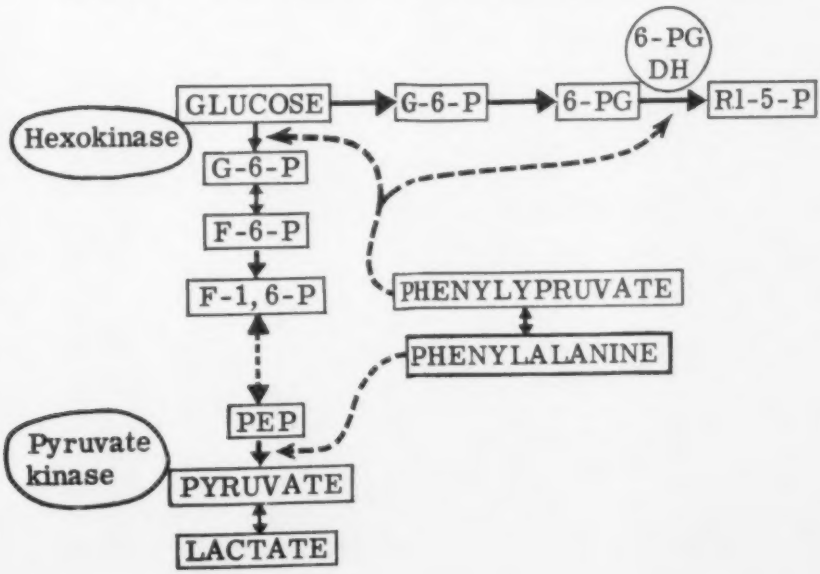

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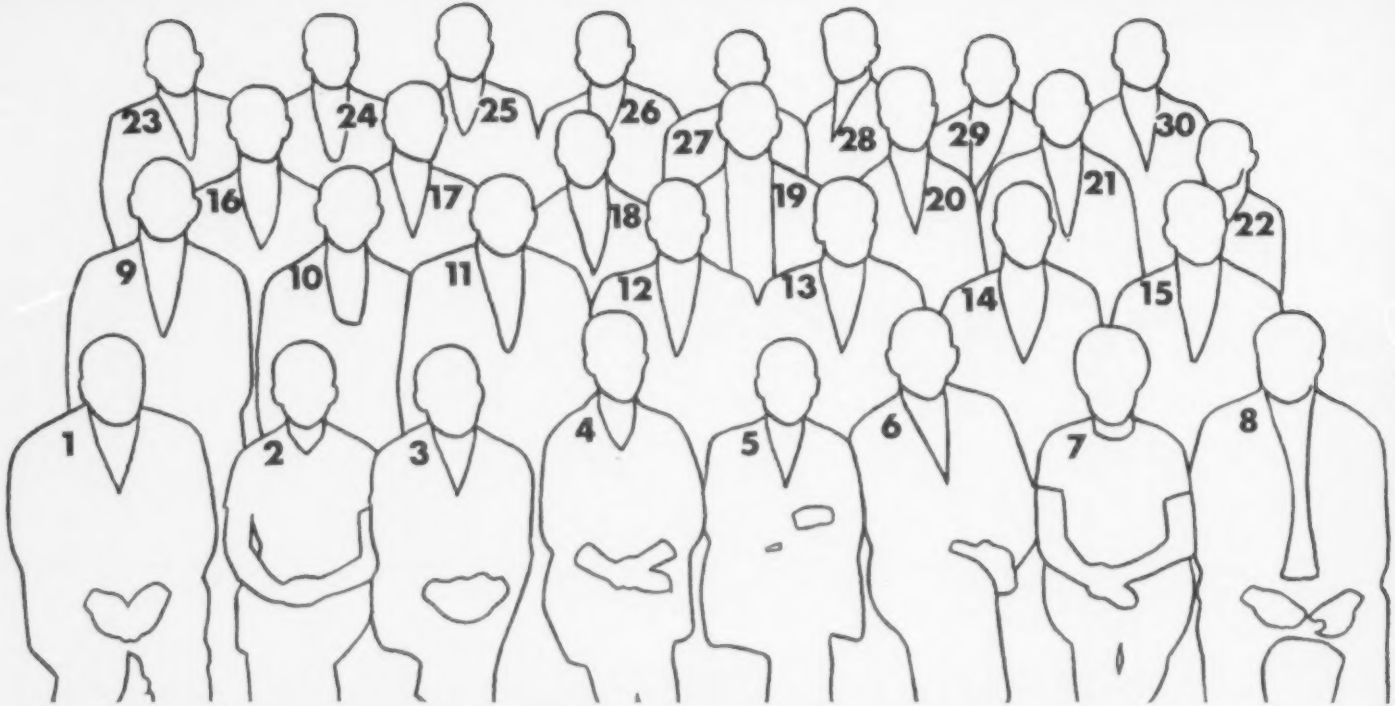

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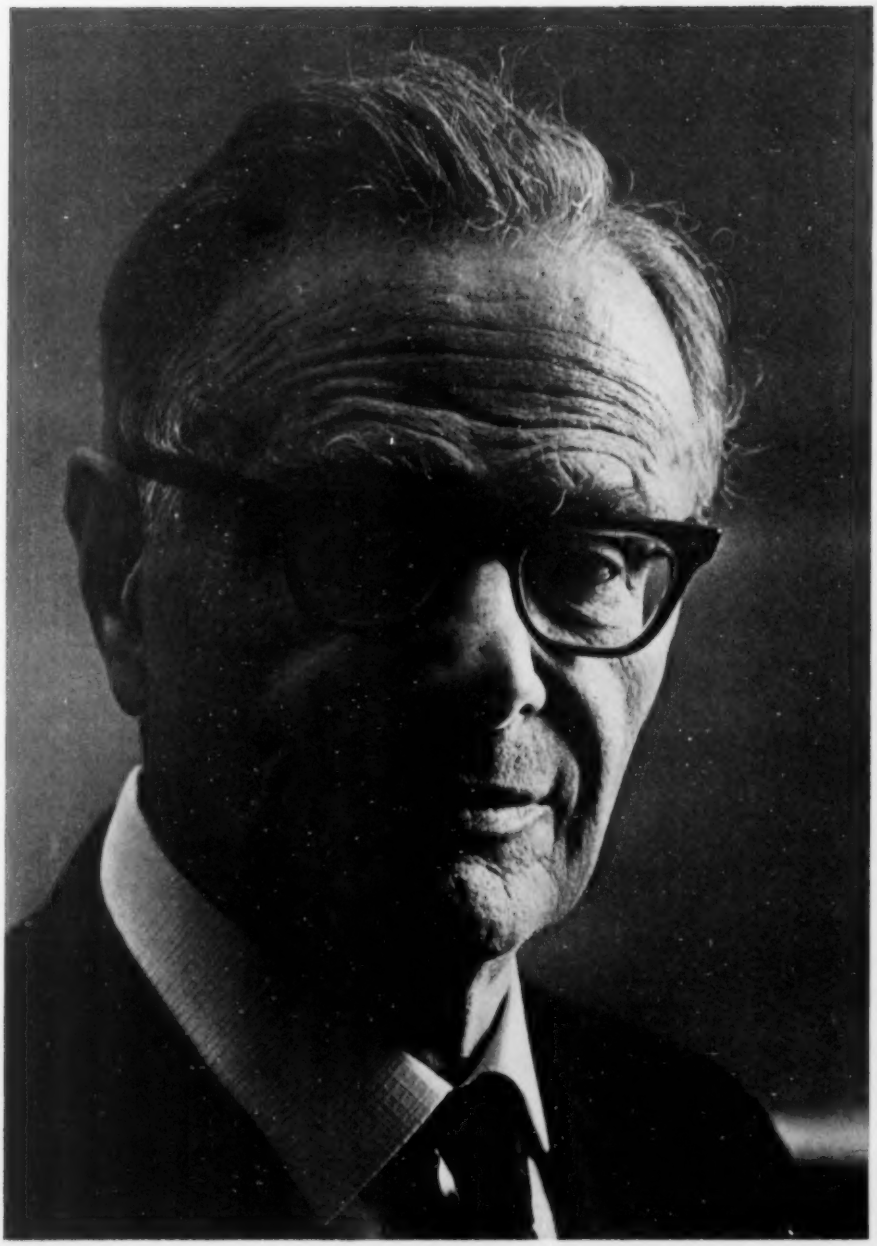

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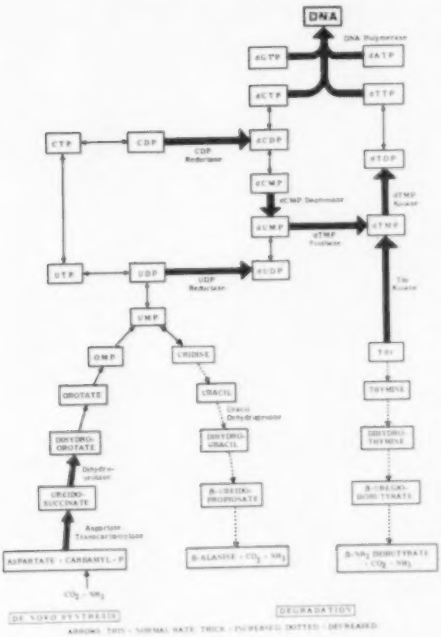
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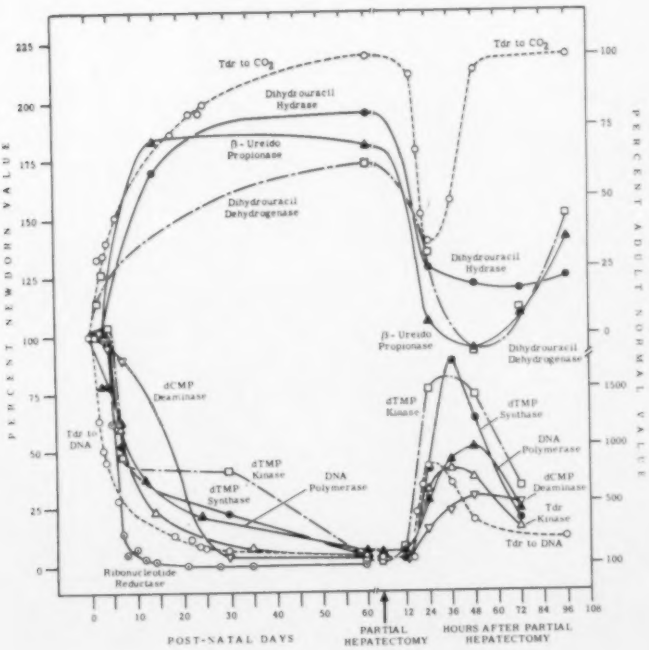
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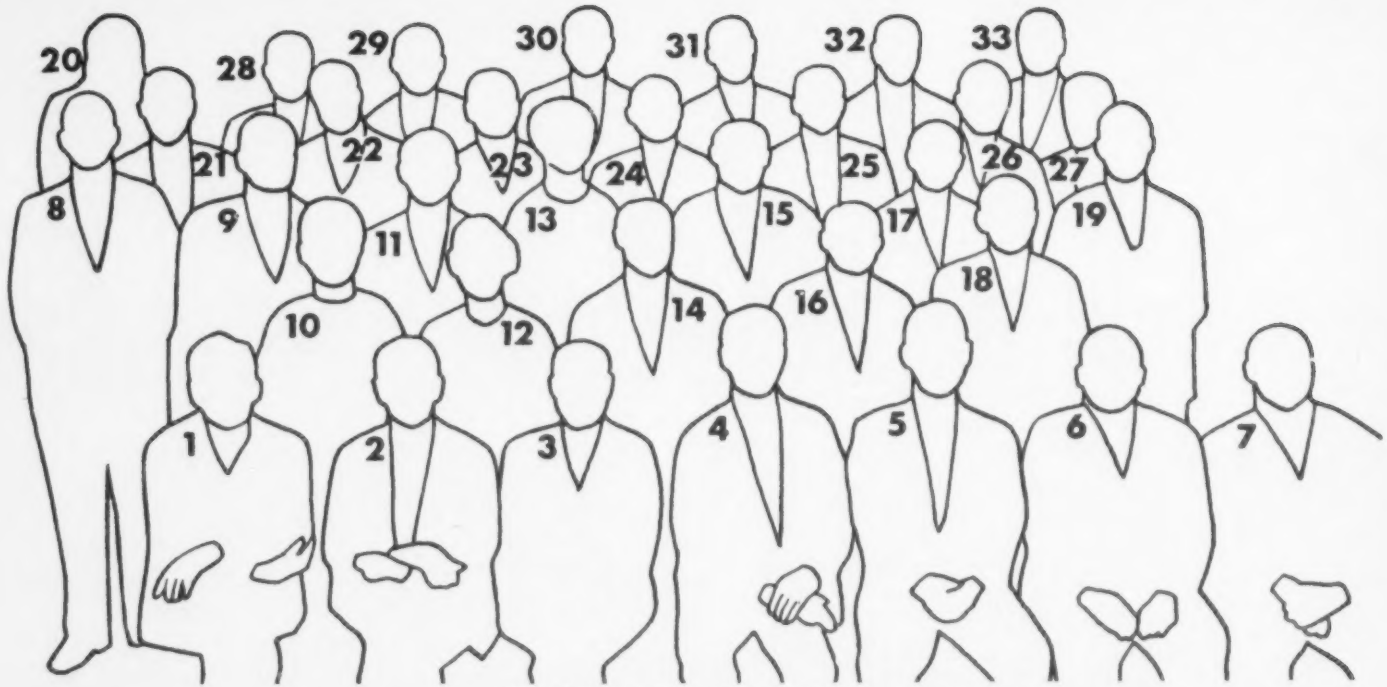

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Chicago, Illinois

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Advances in
ENZYME REGULATION

Volume 10

Proceedings of the tenth symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues held at Indiana University School of Medicine, Indianapolis, Indiana October 4 and 5, 1971

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GEORGE WEBER

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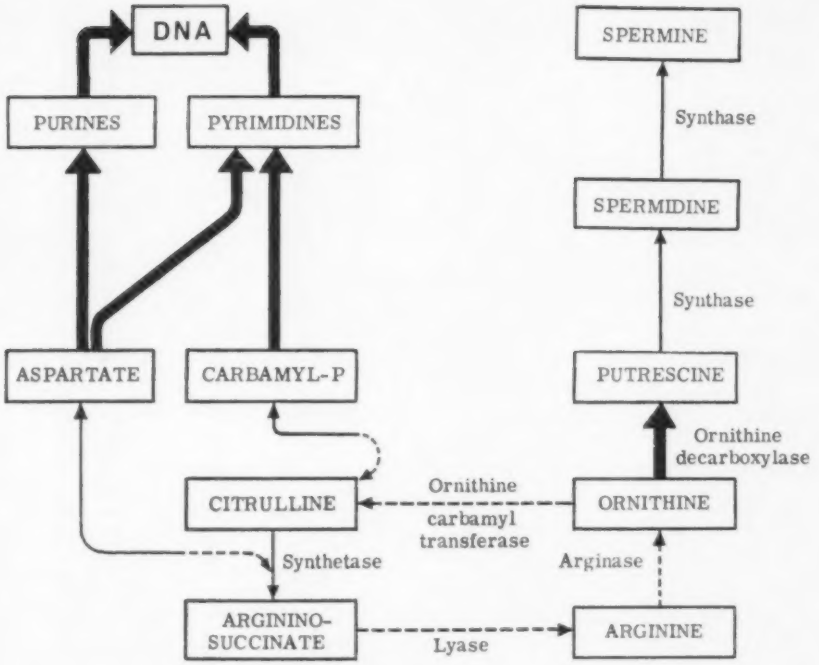
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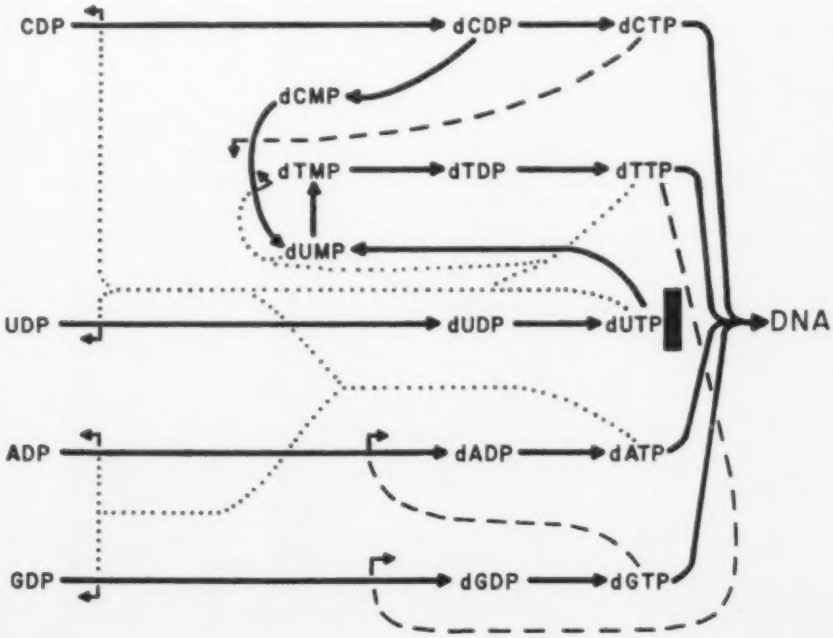
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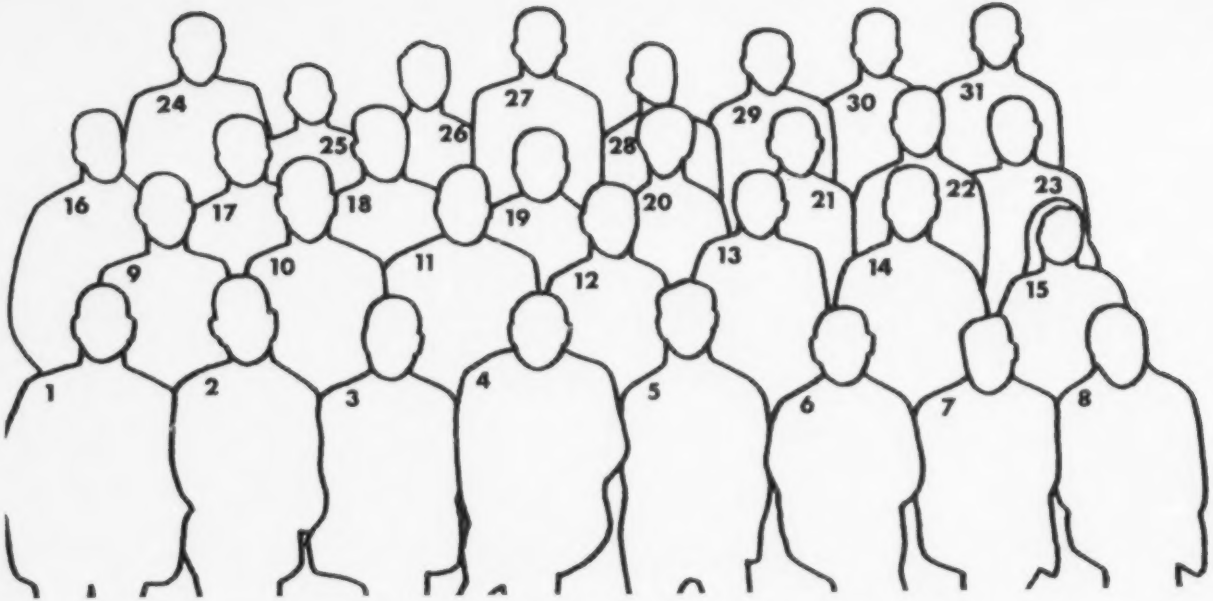

KEY TO PHOTOGRAPH OF PARTICIPANTS

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